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AMENDMENTS TO THE SPECIFICATION

Amendment to the Detailed Description

Please replace paragraphs [0035] and [0038] with the following rewritten paragraphs:

[0035] The system of the present embodiment is used to provide input to any commercial off-the-shelf computer or other video game or computer application capable of using data from an input device, including those simulating the sport of golf, such as that offered by Microsoft Corporation under the trademark LINKS2003, by Electronic Arts Inc. under the trademark TIGER WOODS PGA TOUR 2003, as well as those simulating other sports and scenarios, such as baseball, tennis, soccer, volleyball and hockey. In the present embodiment the sensor unit 10 is attached to a golf club 70. However, in alternate embodiments, the sensor unit 10 may be attached to any other type of moveable object including, a piece of sporting equipment (such as a baseball bat, tennis racket, hockey stick) or may be attached to the user themselves (such as the user's arm or leg, via an arm or leg band having ~~a~~an material, such as ~~velcro~~ Velcro) to measure data to convert to mouse controller movement to play a video game or computer application, such as a training simulation.

[0038] As illustrated, the sensor unit 10 houses the first and second accelerometers 20, the analog-to-digital converter 40, the sensor processor 50, and the transceiver 60. The sensor unit 10 is attachable to the shaft of any conventional golf club 70 by any known or developed means, including those permanently and temporarily attached. In the present embodiment, ~~a~~an attachment part such as a Velcro hook on the curved bottom of the sensor unit 10 is wrapped in a corresponding Velcro loop on the shaft of the club 70 to attach the sensor unit 10 to the club 70. Another attachment assembly such as ~~velcro~~ Velcro hook/loop combination is used to further secure the sensor unit 10 onto the shaft

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of the club 70. In alternate embodiments, the sensor unit 10 is molded plastic having deformable clips molded therein for receiving the golf club 70. In further alternate embodiments, the means for attaching the sensor unit 10 to the golf club 70 may be clasps, straps, loops, rings, fasteners, ~~velcro~~ Velcro-type fasteners, and the like. Preferably, the sensor unit 10 is attached near the bottom third of the club 70 to be close to head of the club 70, which is the point at which the most accurate acceleration and angle of the user's swing can be measured. However, in alternate embodiments, the sensor unit 10 is housed directly within the moveable equipment, such as within a golf club 70, hockey stick, or tennis racket.